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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/700,785	11/03/2003	Min-Chih Hsuan	JCLA11670	5503
7590		12/12/2007		
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Irvine, CA 92618				
			EXAMINER	
			DIEP, NHON THANH	
			ART UNIT	PAPER NUMBER
			2621	
			MAIL DATE	DELIVERY MODE
			12/12/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/700,785

Applicant(s)

HSUAN, MIN-CHIH

Examiner

Nhon T. Diep

Art Unit

2621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 September 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 and 7-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5 and 7-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 September 2007 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-5 and 7-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over admitted prior art of figures 1 and 2.

Admitted prior art of figure 1 discloses an image-receiving module for sensing an image; and a signal-transforming module for transforming the received image video signal and admitted prior art of figure 2 discloses a sound-receiving module for sensing a sound; and a signal-transforming module for transforming the received sound into an audio signal. It is noted that figures 1 and 2 are separate devices and are not a single, integrated system or system on a chip as specified in claims 1 and 8. It is obvious that combining two separate sensors as shown in figures 1 and 2 into a single, integrated audio/video sensor would be merely a matter of obvious engineering choice (In re Larson, 144 USPQ 347 (CCPA 1965) and In re Fridolph, 50 CCPA 745, 89 F.2d 509, 135 USPQ 319) and that would not involve any inventive step and that the combination of figures 1 and 2 would also provide a system that includes a video signal component and an audio signal component; wherein the signal-transforming module comprises an image-sensing chip for detecting the image and outputting the audio/video signal, an audio amplifier chip for detecting the sound, amplifying the sound detected and

outputting the audio/video signal, and an audio/video processing chip for carrying out a post-processing of the audio/video signal (el. 114 of figure 1 performs post processing of the video signal).

Re claims 2 and 9: The combination of admitted prior art of figure 1, el. 112 shows a peripheral circuit .

Re claims 3 and 10: Paragraph 0003 shows that the image-sensing chip comprises a complementary metal-oxide-semiconductor (CMOS) image-sensing module or a charged coupled device (CCD).

Re claims 4 and 11: The combination of two admitted prior art of figures 1 and 2 would provide the signal-transforming module, which is fabricated by a multi-chip module (MCM) method or a system on a chip (SOC) method.

Re claims 5 and 12: The combination of two admitted prior art of figures 1 and 2 would provide the signal-transforming module transforms the received image and the received sound and as is well known in the pertinent art, processing images and sounds synchronously would help to save time.

Re claim 12: The combination of two admitted prior art of figures 1 and 2 would provide the audio/video signal integrated chip which comprises a video signal component and an audio signal component and because the audio component and video component responds to different input conditions, namely video component responds to light and audio component responds to acoustic vibration, these two components would respond to lights and vibration or they can respond synchronously when lights and vibration arrive at the same time.

Re claims 7 and 14: The examiner takes Official Notice that it is well known to one of ordinary skilled in the pertinent art that condenser microphone is part of common sound system and is used to pick-up sound. And, therefore, it would have been obvious to provide a condenser microphone into the system of the combination of admitted prior art of figures 1 and 2. Doing so would help to increase the sensitivity of the sound pick up system.

Re claims 15 and 17: Admitted prior art of figure 1 further shows a holder (el. 106), and a lens installed in an end of the holder (el. 102) and the combination of figures 1 and 2 would provide an integrated audio/video chip that logically arrange the image-receiving sensor on the opposite end of the sound receiving sensor as a matter of obvious variance.

Re claims 16 and 18: The specifications show that in recent years, the carbon powder has been replaced by air and it is considered that the signal-transforming module is accommodated in the air cavity and therefore, it would have been obvious to one of ordinary skilled in the art at the time the invention was made when to combine the two figures would replace the carbon powder by air. Doing so would help to save cost.

Conclusion

3. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nhon T. Diep whose telephone number is 571-272-7328. The examiner can normally be reached on m-f.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mehrdad Dastouri can be reached on 571-272-7418. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ND



**NHON DIEP
PRIMARY EXAMINER**